

# INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/AU2003/001421**

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: **A61B 18/18**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**REFER TO THE ELECTRONIC DATABASE CONSULTED BELOW**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**DWPI + key words(a61b, a61f, a61n, heat, ablate, rf, radiofrequency, phase etc)**

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5693078 A (DESAI et al) 2 December 1997 See entire document	1-24
A	US 5697928 A (WALCOTT et al) 16 December 1997 See entire document	1-24
A	WO 1995/025472 A1 (VIDAMED, INC) 28 September 1995 See entire document	1-24



Further documents are listed in the continuation of Box C



See patent family annex

* "A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search <b>28 January 2004</b>	Date of mailing of the international search report <b>02 FEB 2004</b>
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929	Authorized officer  <b>SWAYAM CHINTAMANI</b> Telephone No : (02) 6283 2202

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## Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos :  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos :  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos :  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

## Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

See extra sheet...

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-24

Remark on Protest ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

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## Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

### Continuation of Box No: II

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

1. Claims 1-24 relate to a system for heating a biological site comprising a transformer and active electrodes connected to at least two sources of radio frequency energy. It is considered that the energy applied by one electrode being out of phase with energy applied by another electrode of any other source of energy comprises a first "special technical feature".
2. Claims 25-27 are directed to a component for use in heating a biological site. It is considered that the component including a pair of coaxially arranged electrodes, at least one of which has a helical tip, comprises a second "special technical feature".

Since the above mentioned groups of claims do not share any of the technical features identified, a "technical relationship" between the inventions, as defined in PCT rule 13.2 does not exist. Accordingly the international application does not relate to one invention or to a single inventive concept, a priori.

Furthermore, the groups of claims have distinct classifications under the IPC and therefore it is considered that because of these distinct classifications, constitute separate search areas, these inventions could not be searched without involving significant extra effort.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member					
US	5693078	AU	22485/92	CA	2112821	EP	0598742
		EP	0904800	EP	1382368	JP	2002238917
		MX	9203954	US	5383917	US	5620481
		US	2001051803	US	2003199868	WO	9300958
US	5697928	CA	2264826	EP	1011496	WO	9811938
WO	9525472	AU	10858/92	AU	11602/97	AU	11795/95
		AU	14036/95	AU	14476/95	AU	15278/97
		AU	15602/95	AU	19686/97	AU	19895/97
		AU	20475/95	AU	20708/97	AU	21355/97
		AU	21916/97	AU	21965/95	AU	22782/97
		AU	24621/97	AU	28717/95	AU	29981/95
		AU	30774/97	AU	31195/97	AU	31413/97
		AU	31455/97	AU	32040/97	AU	32951/95
		AU	34022/97	AU	46465/97	AU	47650/96
		AU	49998/93	AU	57192/01	AU	61331/94
		AU	61896/98	AU	68190/94	AU	68234/94
		AU	68506/96	AU	68514/96	AU	68988/96
		AU	69087/94	AU	69548/96	AU	70078/96
		AU	70565/94	AU	78099/98	AU	85702/98
		BR	9306893	CA	2061215	CA	2121032
		CA	2155217	CA	2162724	CA	2162887
		CA	2193964	CA	2226484	CA	2252461
		CA	2252820	CA	2253617	CA	2253705
		CA	2253847	CA	2266590	CN	1119418
		CN	1125390	CN	1128943	CN	1216911
		CN	1217639	CN	1219885	DE	4305663
		DE	4416840	DE	4416902	DE	4423216
		DE	4423228	EP	0521595	EP	0611314
		EP	0628288	EP	0629382	EP	0631514
		EP	0637436	EP	0667126	EP	0697837
		EP	0729321	EP	0767629	EP	0790066
		EP	0850023	EP	0893101	EP	0901348

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EP	0901398	EP	0904025	EP	0914068
EP	0925042	EP	0935444	EP	0949890
EP	0957796	EP	0959785	EP	1001710
FI	950584	FR	2694700	FR	2705241
FR	2705242	FR	2709065	FR	2716365
GB	2269538	IL	104647	IL	108532
IL	109544	IL	109545	JP	7255855
KR	2000010722	KR	2000010723	KR	2000010815
MX	9304905	NL	1000670	NL	1003812
NZ	255687	US	5228441	US	5315996
US	5322064	US	5329923	US	5366490
US	5370675	US	5385544	US	5409453
US	5421819	US	5435805	US	5454787
US	5456662	US	5470308	US	5470309
US	5477856	US	5484400	US	5486161
US	5505730	US	5514131	US	5531676
US	5531677	US	5536240	US	5540655
US	5542915	US	5542916	US	5549644
US	5554110	US	5556377	US	5558672
US	5569241	US	5573774	US	5575788
US	5582589	US	5591125	US	5599294
US	5599295	US	5607389	US	5630794
US	5667488	US	5672153	US	5674191
US	5681277	US	5681308	US	5685839
US	5685868	US	5707349	US	5718702
US	5720718	US	5720719	US	5728094
US	5730719	US	5738114	US	5741225
US	5743870	US	5743904	US	5746224
US	5749846	US	5762626	US	5769846
US	5800378	US	5800379	US	5800429
US	5807308	US	5807309	US	5817049
US	5820580	US	5823197	US	5827273
US	5827277	US	5836906	US	5843021
US	5843026	US	5843077	US	5848986
US	5865788	US	5869503	US	5869505
US	5879349	US	5895370	US	5921954
US	5964727	US	5964755	US	5972974

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US 6002968	US 6006755	US 6009877
US 6022334	US 6024743	US 6044846
US 6056744	US 6077257	US 6092528
US 6102886	US 6126657	US 6129726
US 6152143	US 6179803	US 6206847
US 6210355	US 6241702	US 6254598
US 6302898	US 6315776	US 6405732
US 6416491	US 6419673	US 6610054
US 2001011161	US 2001031941	US 2001034518
US 2001051783	US 2002091381	US 2002103483
US 2002115991	US 2002183735	US 2002183740
US 2003109866	US 2003144659	WO 0176495
WO 0180723	WO 9404220	WO 9417856
WO 9426178	WO 9426186	WO 9426187
WO 9505124	WO 9513752	WO 9517132
WO 9518575	WO 9519142	WO 9600041
WO 9600042	WO 9622742	WO 9706738
WO 9706741	WO 9726836	WO 9730644
WO 9730645	WO 9730646	WO 9730647
WO 9741785	WO 9741786	WO 9741787
WO 9741788	WO 9741789	WO 9743969
WO 9743970	WO 9743971	WO 9743972
WO 9743973	WO 9744092	WO 9801087
WO 9811834	WO 9820814	WO 9903412
WO 9907299		

END OF ANNEX